

# MILLS METAL TOILET COMPARTMENTS

*Hospital Cubicles • Showers • Dressing Rooms*

MILLS METAL COMPARTMENT CO.

Division of The Mills Company  
965 Wayside Road • Cleveland 10, Ohio.

# mills background and facilities

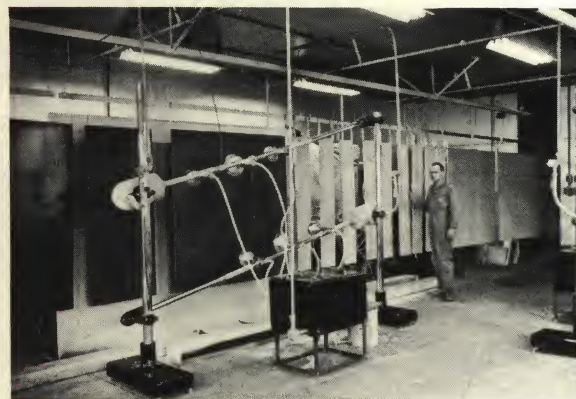
**MILLS EXCLUSIVE POSITION IN THE INDUSTRY**—Since its incorporation in 1921, The Mills Company has devoted itself solely to the design and manufacture of metal toilet compartments and movable office partitions. As the only full-line manufacturer of both types, Mills engineering skill, construction experience and craftsmanship have made it the focal point for fine quality in both fields. Only Mills can coordinate all partition requirements for a building.

**COMPLETE ENGINEERING SERVICE**—When you specify Mills Metal Toilet Compartments you get a complete, responsible service, including every requisite—initial layout, comprehensive detailed approved drawings, accurate fabrication and assembly and visual erection instructions—for final installation coordinated with your building or remodeling schedule.

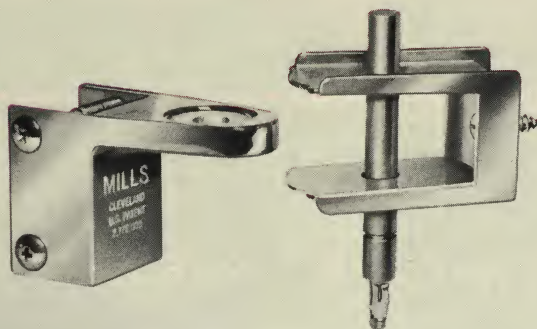
**MANUFACTURING FACILITIES**—With the increased demand for Mills Metal Toilet Compartments and allied lines, The Mills Company, in 1953, transferred their entire production facilities for these products to a newly-acquired plant in Upper Sandusky, Ohio. This plant has since been enlarged four times. The newest, modern, mechanized manufacturing processes are employed, increasing production and efficiency and raising Mills already high standards of quality.



*Modern steel forming equipment accurately and quickly shapes Mills patented door units.*



*New, completely automatic, electro-static spray finishing equipment provides the finest uniform finish.*


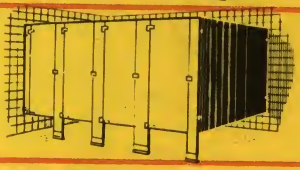
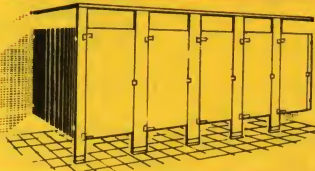

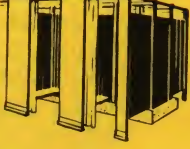
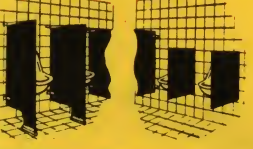
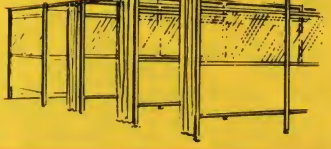


the mills name on each installation is a symbol of experienced engineering, fine craftsmanship and progressive development.



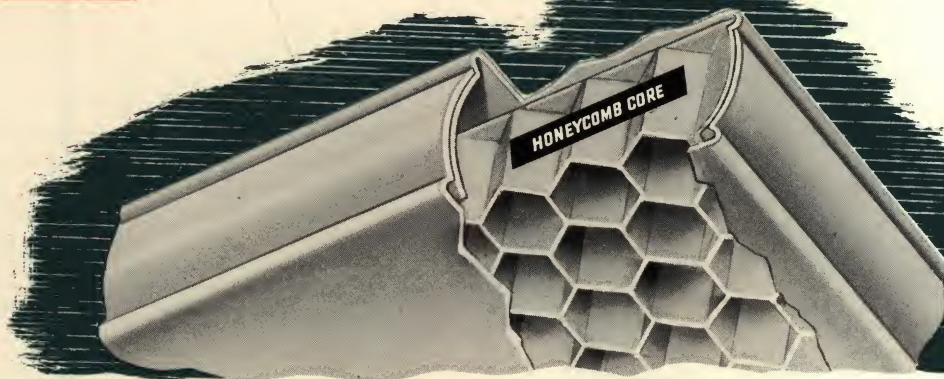


# **mills** index

<b>features of mills design</b>	Patented Panel Design...4 Door Hardware.....5 Important Features.....6	<b>4-6</b>
<b>colors and finishes</b>		<b>7-9</b>
<b>marblmetal ceiling hung</b>	 Supported rigidly from an overhead structural support, installed by others. For all benefits of no floor connection construction, use wall type closet bowls.	<b>10-11</b>
<b>marblmetal floor braced junior height</b>	 Flush fronts, no head rail. Floor should be suitable for use of Anchor bolts. Standard Height—12-13 Junior Height—20	<b>12-13 20</b>
<b>sentinel</b>	 Continuous overhead brace provides rigidity in installations subject to heavy use. Can be installed rigidly on any floor.	<b>14-15</b>
<b>metal flush</b>	 Headrail braced with flush panels, one inch thick.	<b>16-17</b>
<b>shower and dressing rooms unit showers</b>	 Attractive — durable — long lasting. Easy to clean and keep clean.	<b>18-19</b>
<b>urinal screens</b>	 Made in two styles—provide maximum privacy, durability and easy cleaning.	<b>19</b>
<b>hospital cubicles</b>	 Effectively control ward space. Clean — sanitary. Quickly rearranged. (Made in three styles)	<b>20</b>
<b>standard hardware</b>	A complete line.	<b>21</b>
<b>layouts</b>	Suggested arrangements for toilet and shower rooms.	<b>22-23</b>
<b>sales representatives</b>		<b>24</b>



## panels and doors



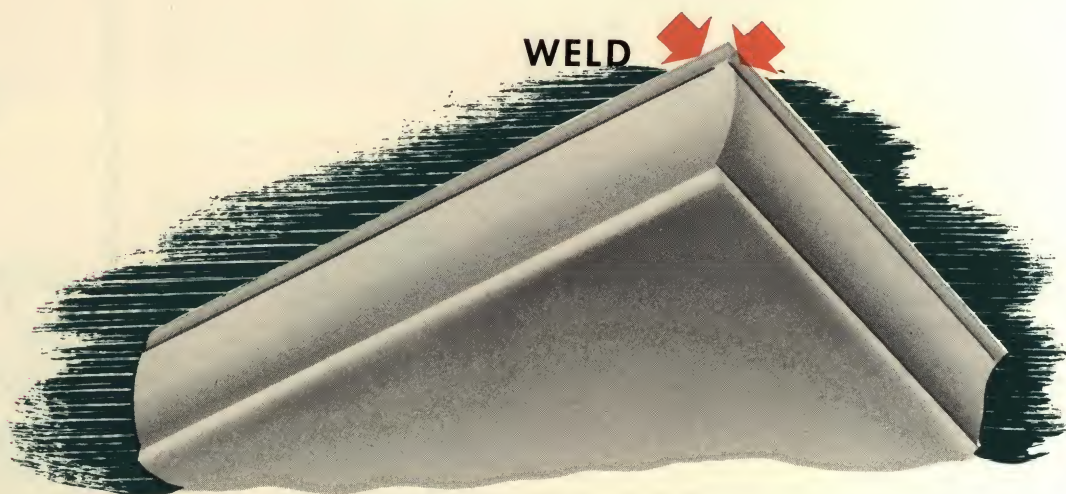
**INTEGRAL INTERLOCKING DESIGN** — This exclusive Mills feature is protected by U.S. Patent No. 2776029. As illustrated above, the two facing sheets of all Mills panels and doors are formed to interlock integrally around the entire perimeter. This provides a smooth permanent edge on all four ends. On a standard-sized panel over 400 square inches of steel are forced together under pressure in direct surface contact to create a permanent, high-tension interlock, producing units that are more hygienic, rigid and durable.

On panels and doors this structural assembly of twenty-gauge steel is internally bonded with moisture-proof aircraft adhesive to a honeycomb

core. At all points where hinges are to be mounted, doors are reinforced with heavy-gauge steel, welded to Mills extra-heavy door sheets.

The four corners of Mills panels and doors are neatly welded and finished. Precision shearing and forming assures a trim, curved-in meeting of the two sides on the tops, bottoms and ends, and no raw edges are exposed.

Mills organic design minimizes maintenance created by undesirable extra lines around perimeters of panels and doors and eliminates separate loose-fitting moldings and wracking of doors caused by mitered weld failures.



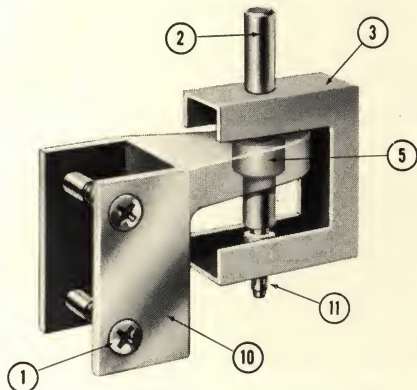


# new **T-100** AND **T-200** series hinges

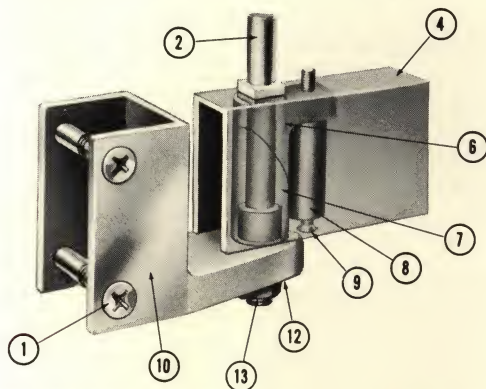


panels, doors  
and hardware

**TOP HINGE—MULTIPLE SUPPORT FOR MULTIPLE LIFE**—Mills top hinge pivot, mounted in a cutout near the top of the door, is a sturdy stainless steel pintle, rigidly supported at three points and locked to a channel reinforcement, welded to the inside of the door. Suspension arm of the hinge bracket rides on this shaft, protected by a pressure-fitted life-time Molybdenum Nylon bushing.

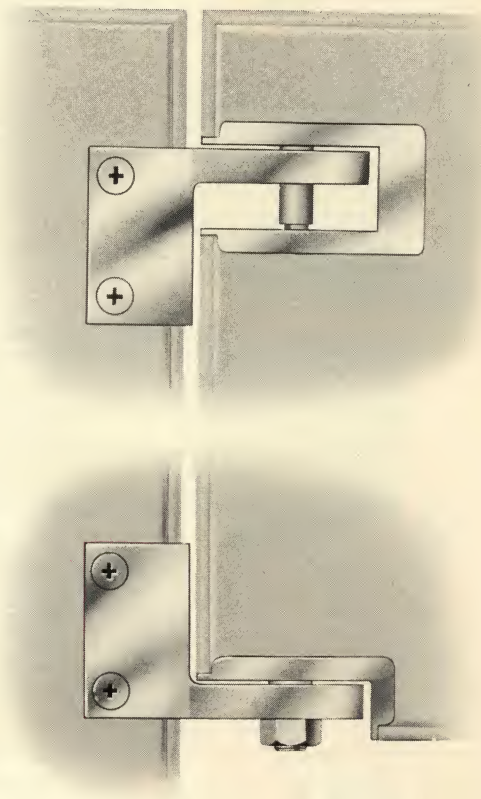


- |   |   |
|---|---|
| 1. Through bolted studs and Phillips head sex nuts. | 7. Nylon bottom cam.                                    |
| 2. Stainless steel pintle.                          | 8. Spacer screw.  |
| 3. 16 gauge welded reinforcement.                   | 9. Machine screw.                                       |
| 4. 14 gauge welded reinforcement.                   | 10. Cast alloy non-ferrous chrome plated hinge bracket. |
| 5. Molybdenum Nylon bushing.                        | 11. Tubular snap clip.                                  |
| 6. Molybdenum Nylon follower.                       | 12. Lock washer.  |
|   | 13. Adjusting nut.                                      |



**LOWER HINGE — CONCEALED CAM AND FOLLOWER**—Mills lower hinge is true gravity-type, adjustable, factory-installed and concealed within the door. Top follower is square-locked and secured to a welded steel reinforcement. Lower cam is molded to a knurled, hardened stainless steel shaft that axially aligns the cam and follower. The lower cam is firmly held by an adjusting nut to the lower hinge bracket, allowing door position at rest to be set at any point within the door arc. Both top follower and bottom cam are naturally-lubricated, life-time Molybdenum Nylon.

**THE ESSENTIALS FOR A PERMANENT INSTALLATION**—More than any other component of a metal compartment, the door and its hardware are normally subjected to the greatest abuse. Permanent alignment of the door requires that hinges be designed and installed to withstand eccentric forces and that the door be reinforced to transmit local strain over a broad area. Permanent maintenance-free, smooth operation of the door demands that hinges be strong, wear resistant, corrosion-proof, and adjustable.



**QUALITY FEATURES**—All exposed parts of Mills top and bottom hinges are either stainless steel or non-ferrous, polished chrome plated. All working parts are stainless steel or corrosion-proof Nylon. Dupont Nylon, heat resistant and low in frictional coefficient, is now specified for thousands of commercial and industrial products, including gears and friction bearing surfaces of all types. Mills application of Nylon to a cam-to-follower true gravity hinge eliminates miniature metal cams, rollers and bearings, and springs that have a tendency to set, lose their tension and require periodic adjustment. The Mills hinge with nylon bearings has been test-run for over 300,000 cycles without measurable indication of wear.



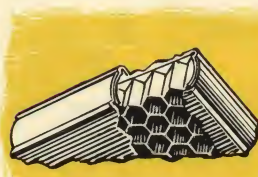
## important information

## mills services and features of mills compartments



### 1. FLUSH CONSTRUCTION

Mills discontinued the manufacture of inferior single sheet panel compartments over fifteen years ago, and has been the leader in furnishing flush, insulated-type compartments, exclusively.



### 2. HONEYCOMB CORE INSULATION

Honeycomb core material is bonded under pressure between the inner surfaces of each panel facing. This is the strongest, lightweight insulation in use today, with excellent properties for sound attenuation, thermal insulation and resistance to moisture and vermin penetration.



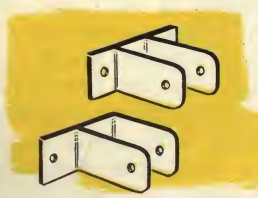
### 3. THOROUGH FABRICATION

Compartment fronts are predrilled to minimize field work. Door hinges are factory installed. Fittings and fastenings are standardized, with a minimum of drill changes required during installation.



### 4. PACKAGED HARDWARE & ERECTION INSTRUCTIONS

To speed erection and minimize losses, Mills packages hardware and includes complete, visual erection instructions with each installation. Fittings and fastenings are illustrated to save erection time.

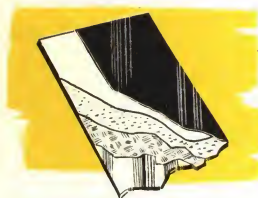


### 5. NON-FERROUS FITTINGS

Major components of all compartments are assembled and connected to the wall with polished, non-ferrous fittings. This guarantees extended life to the installation, eliminates costly maintenance and ensures lasting beauty. (Chrome plated, per government specifications.)

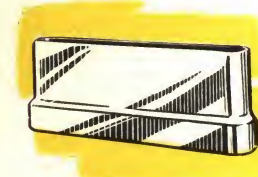
### 6. GALVANIZING AND BONDERIZING

Mills furnishes only galvanized-bonderized sheet steel exclusively for baked-on enamel installations. Mills steel is heavier. Compare it with others. G. B. Steel is Standard. No additional cost.



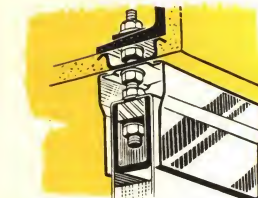
### 7. STAINLESS STEEL SHOE TRIM

For all compartment fronts, Mills provides a .031 gauge, 3" stainless steel shoe (Type 302, polished) that snaps rigidly into place, held by concealed retainer clips. Surface damage to fronts caused by old-type one-piece shoes is eliminated.



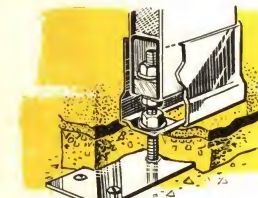
### 8. CEILING-HUNG SUPPORT

On ceiling hung installations, Mills fronts are securely anchored to structural channels with  $\frac{3}{8}$  inch diameter studs and nuts, forming a foolproof micro-adjustable leveling device. Plaster key channels furnished without charge on request.



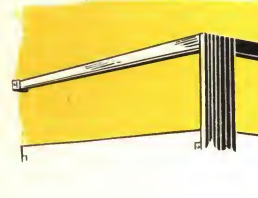
### 9. FLOOR-BRACED SUPPORT

On Marblmetal floor-braced installations, anchorage to solid concrete floors is made with  $\frac{3}{8}$  inch diameter studs and nuts. Screw-jack device provides positive close leveling. Floor plates, when needed are furnished at no extra charge.



### 10. FINEST, MOST RIGID HEADRAIL

Mills headrail is a 1" x 1 $\frac{3}{4}$ " rolled section. Its 18 gauge steel is heaviest in the industry. Sentinel headrail is threaded through top of compartment front and bears on 16 gauge concealed reinforcement channel.







## finishes colors



GOLD HAZE M-201



ORIENTAL RED M-356



SEA FOAM M-309



CORAL ROSE M-954



WARM GRAY M-412



GLACIER BLUE M-550



STRAW M-297



COFFEE M-1412



BUFF M-1029



RED GLOW M-807



CACTUS M-1101



SLATE M-122



SAGE GREEN M-722



LAUREL GREEN M-729



SANDLEWOOD M-505



COPPERHUE M-861



TAN M-662



DRESDEN BLUE M-1310



PEARL GRAY M-113



SPRING GREEN M-937

NOTE: Matching a color in porcelain enamel with the same color in baked-on synthetic enamel gives a noticeable contrast because the porcelain enamel has a greater depth and brilliance than the color of baked-on synthetic enamel.

Choice of a standard color speeds delivery. Because responsible

manufacturers of synthetic enamels and porcelain frit retain the privilege of reasonable color variation, we cannot, therefore guarantee the exact matching of colors.

When ordering black or white specify Black No. M-250, White No. M-750. (Extra charge involved.)

Two colors, per order, may be chosen from this chart at no extra charge. Three or more colors require special pricing.



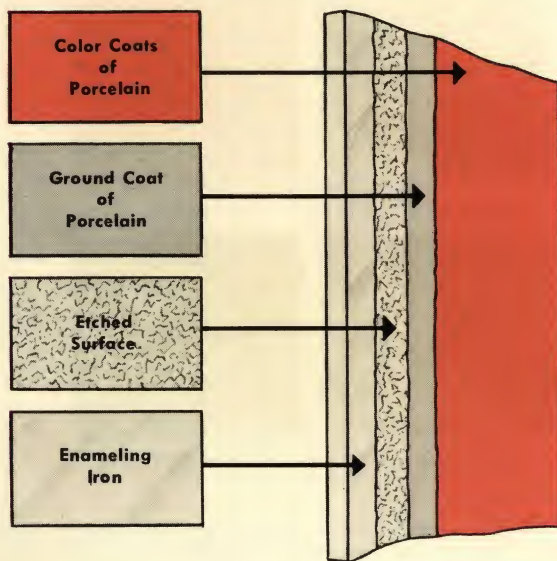


## porcelain enamel

Mills Porcelain Enamel finish effectively combines the desirable qualities of the inherent structural strength of steel with the polished flint-like hardness of glass. This material provides the best possible sanitation for toilet and shower rooms together with a perpetual attractiveness that does not dull with age. Its polished glass-like surface is an impregnable barrier against cleaning and uric acids, odors, oil and grease and moisture. It is resistant to scrubbing, scouring and defacement. As shown on the diagram, the heavier than standard steel is especially treated to provide a suitable base for the porcelain frit. The porcelain frit is fused to the steel at a maximum temperature of 1600° F. This thoroughly impregnates the steel with porcelain so that it cannot be separated.

Because the configuration of Mills patented interlocking device does not lend itself to forming steel heavier than 20 gauge, Mills, for porcelain enamel installations, uses a stainless steel locking mold to bind perimeters of panels, doors and fronts.

(Details of construction available on request.)



### Specifications

(Specify whether MARBLMETAL CEILING HUNG, MARBLMETAL FLOOR BRACED, or SENTINEL).

#### NOT AVAILABLE FOR METAL FLUSH.

1. **ALL METAL COMPARTMENTS** — for toilet, shower and dressing rooms shall be Mills (specify type) (vitreous porcelain enamel on steel in accordance with Porcelain Enamel Institute standards for architectural porcelain enamel), as manufactured by Mills Metal Compartment Company, Upper Sandusky, Ohio. Panels, fronts and doors shall be flush construction.
2. **STEEL SPECIFICATIONS** — All panels and doors shall be 18 gauge porcelain enameling iron. Fronts shall be 16 gauge porcelain enameling iron. Edge locking mold shall be stainless steel, welded and finish-ground at corners. Headrail shall be 1" x 1 3/4" 18 gauge stainless steel. Structural steel for support of ceiling hung installations shall be provided (fabricated for compartment attachment) and installed by others.
3. **PANELS, DOORS AND FRONTS**—shall be made of two edgeformed steel sheets, spaced and insulated with honeycomb core, cemented under pressure to the inner surfaces with waterproof adhesives. Edges shall be bound and interlocked with stainless steel moldings, welded and finish-ground at corners. Finished thickness of doors and panels shall be 1"; finished thickness of fronts shall be 1 1/4".
4. **HARDWARE AND FITTINGS** — Doors shall be hung on Mills standard gravity hinges. Lower hinge shall be concealed within the door; upper hinge shall provide three-point support and be mounted in cutout near top of door. Doors shall be fitted with slide bar latch, combination keeper and bumper and rubber-tipped combination coat hook and bumper, all to be non-ferrous chrome-plated. Latches and coat hooks shall be attached with Phillips-head screws (one-way fastenings provided on request). Two-piece shoe and cap trim for fronts shall be .031 gauge stainless steel, 3 inches high. (Type 302, polished)
5. **FINISH**—Interior and exterior surfaces of panels, doors and fronts shall be vitreous porcelain enamel. In addition, all exposed surfaces shall be given a finish coat of vitreous porcelain enamel in one of 22 colors, chosen from Mills standard color chart.



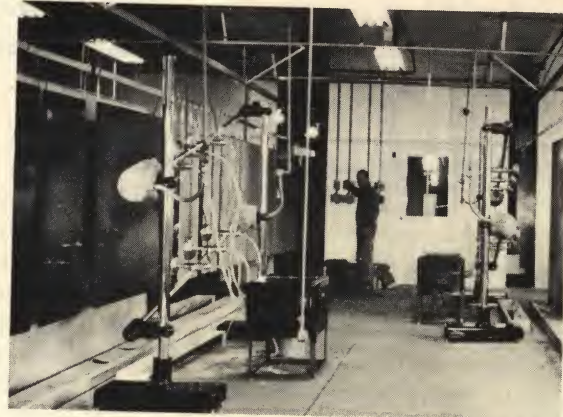


finishes

## baked-on enamel

**MILLS BAKED-ON ENAMEL**—Mills produces the finest synthetic-enameled toilet compartments, with smooth, colorful, long-lasting finishes, at one-half to one-third the initial cost of any porcelain enamel installation.

Employing an automatic, conveyORIZED electro-static spraying system of the latest design, Mills applies two coats of top-grade synthetic enamel over stretcher - leveled galvanized - Bonderized steel. This is the most modern coating system available and assures absolute uniformity of primer and finished color coats. The results: smooth, even surfaces and uniform oven baking for finishes surpassed only by porcelain enamel in appearance and longevity.

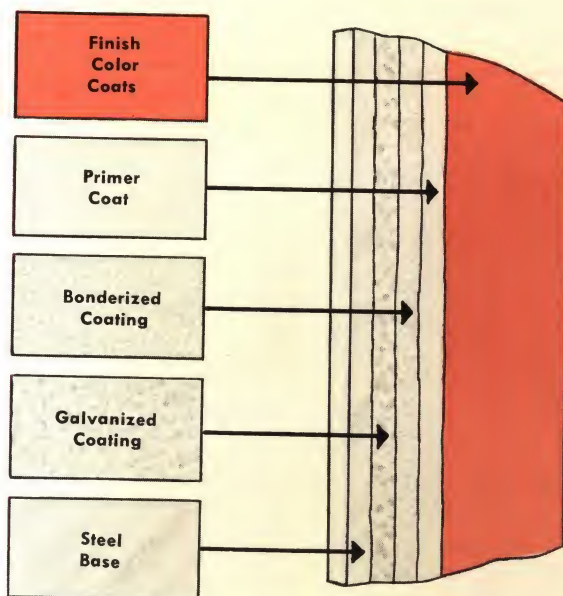


*New conveyORIZED electro-static spray finishing equipment applies synthetic enamels to uniform thickness and bakes them to a hard marproof surface.*

**of the leading national manufacturers, only mills uses galvanized-bonderized sheet steel exclusively.**

Mills has always furnished galvanized-Bonderized steel for unit showers and built-up shower and dressing enclosures. These compartment products are installed in areas of high humidity, and water is directly applied to their surfaces. Cold rolled steel can best withstand these adverse conditions only when protected by galvanizing and Bonderizing.

Toilet compartments are often erected in shower room areas, and these conditions apply to some extent in any compartment installation. For this reason, Mills has considered galvanized-Bonderized steel so important a feature that it established, in 1953, a policy of using steel sheets treated in this manner for all its toilet compartments, whether specifications called for it or not. Since that time Mills records prove that finish failures have been virtually eliminated.



### compare the gauges of mills steel with that of others

For baked-on enamel compartments, Mills uses steel of these gauges:

	Marblmetal			
	Ceiling Hung	Floor Braced	Sentinel	Metal Flush
Panels	20 gauge	20 gauge	20 gauge	20 gauge
Fronts	16 gauge	16 gauge	18 gauge	18 gauge—1 $\frac{3}{4}$ " posts
Doors	20 gauge	20 gauge	20 gauge	20 gauge
Headrail	....	....	18 gauge	18 gauge



# marblmetal

## ceiling hung toilet compartments with no floor contact

**MILLS MARBLMETAL—CEILING HUNG** Compartments are expressly engineered for use where fine quality and appearance must be combined with minimum costs. They are designed to be rigidly supported from the ceiling. There are no connections or obstructions at the floor. The clear floor area simplifies cleaning and maintenance. Structural overhead supports, shown in the construction details, furnished and installed by others, are necessary for a rigid satisfactory installation.

### engineered value features

The smooth flush surfaces of **MILLS MARBLMETAL CEILING HUNG** Toilet Compartments are easy to clean. Moldings and hard to clean corners have been eliminated. Dividing panels hang clear of the wall. Each compartment weighs approximately 300 pounds. To achieve the full benefits of ceiling hung construc-

tion, the use of wall type closet bowls is recommended. Ceiling Hung Compartments are manufactured in a number of standard sizes. See Page 23.

### materials and construction

The finest quality furniture steel, galvanized-Bonderized or porcelain enamel steel is used in the construction of **MILLS MARBLMETAL—CEILING HUNG** Toilet Compartments. All panels and doors are constructed with two sheets of steel permanently bonded to an insulating core and incorporating Mills exclusive integral interlocking design (Pat. No. 2776029), welded at the corners. Door hardware is non-ferrous, heavily chrome plated. For all fastenings see specifications on opposite page.

### available in two finishes—many colors

For details see pages 7 to 9.







marblmetal

## Specifications

**GENERAL** The Toilet compartments shall be **MARBLMETAL—CEILING HUNG** with no floor connections—bottom of fronts and doors flush as manufactured by The Mills Metal Compartment Co., Upper Sandusky, Ohio.

**DIVIDING PANELS**—Shall be flush, 1" thick made of two sheets of 20 gauge furniture steel, spaced and insulated with honeycomb cemented under pressure to inner surface with waterproof binder. Edges of panel sheets shall be formed to interlock with each other, forming a sturdy, two-piece unit (Pat. No. 2776029), welded at the corners. Dividing panels to be anchored to fronts by "U" brackets.

**DOORS** Where shown on plans shall be flush 1" thick and of same design and construction as specified for dividing partitions, and shall be rigid, free from distortion and reinforced for hardware.

**FRONTS**—Shall be flush  $1\frac{1}{4}$ " thick, made of two sheets of 16 gauge steel, spaced and insulated with honeycomb filler cemented under pressure to the inner surfaces for 24 hours with a waterproof binder. The sides and bottom edges shall be bound and interlocked with 18 gauge rolled steel molding welded at bottom corners. The top edge shall be prepared for ceiling connections and be reinforced with 12 gauge channel securely arc welded to a leveling cross bar  $\frac{1}{2}$ " by  $\frac{7}{8}$ ".

**CEILING CONNECTIONS**—Suitable provision for supporting these stalls is to be incorporated in the ceiling design by the general contractor. Recommended floor to finished ceiling height over these stalls to be 7'6". The front stiles shall be anchored to ceiling support with a device, integrally welded near the ceiling line, and designed to transmit strain of lateral thrust to ceiling support through two  $\frac{3}{8}$ " diameter galvanized bolts

with lock nuts and washers which penetrate down through the finish plaster from ceiling support. These  $\frac{3}{8}$ " diameter bolts to project down to form a screw leveling device to which is attached the  $\frac{1}{2}$ " x  $\frac{1}{8}$ " leveling cross bar at the top of the stile, which in turn is held in place by use of a lock nut over ceiling anchoring device after proper leveling. The ceiling anchoring device shall be covered with a 3" high polished stainless steel cap and shall be fastened to the top of the front stile to give a finished appearance.

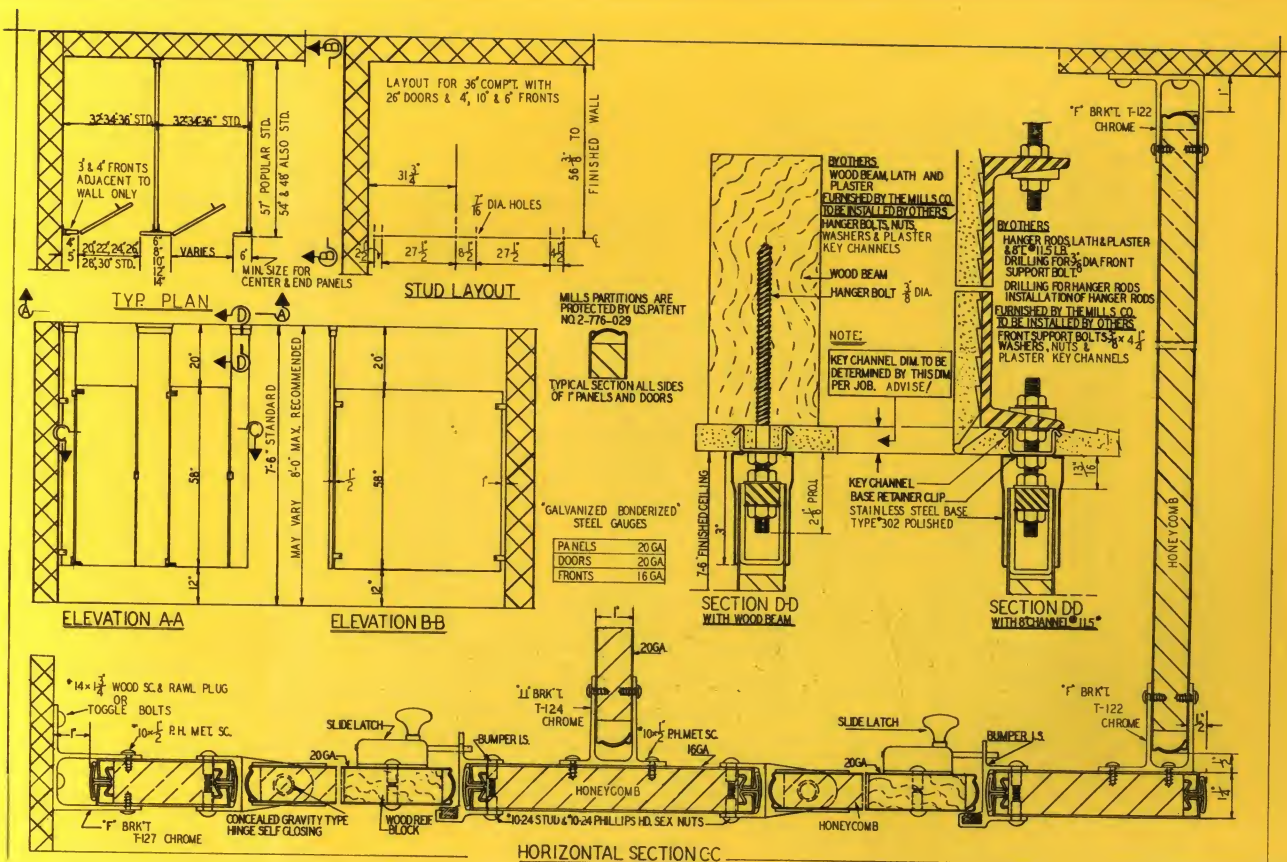
**WALL CONNECTIONS**—All front and dividing panels shall be fastened to masonry walls with wall "U" brackets to hold panel away from wall approximately 1".

**DOOR HARDWARE**—Non-ferrous heavily chrome plated. Doors shall be hung on Mills standard gravity-type hinges. Bottom hinge shall have Nylon cam and follower construction, and be concealed within the door, both matched parts be aligned by heavy stainless steel pintle. Top hinge to be mounted in cutout near top of door and operating on stainless steel pintle within a Nylon bushing. Each door to be equipped with Mills standard slide latch, keeper and bumper, and combination coat hook and bumper.

**FASTENINGS**—Hinges, keeper and latch to be applied with Phillips head sex nuts and studs. (One way fastenings available when specified). Combination coat hook and bumper applied with one way metal screws.

**FINISH**—All material to be completely finished. Material shall be galvanized-Bonderized furniture steel, given a prime coat and a finish coat of high grade synthetic enamel and oven-baked to produce a highly mar-resistant surface.

For porcelain enamel finish see page 8.





# marblmetal

## floor braced the finest quality toilet compartment

Smoothly streamlined, in keeping with the best in modern architecture and interior design, **MILLS MARBLMETAL FLOOR BRACED** Toilet Compartments are ideally suited for apartment buildings, office buildings, clubs, etc. All unnecessary lines are eliminated, no overhead bracing is required. The result is a simplified design that is both attractive and sanitary.

### engineered value features

**MILLS MARBLMETAL—FLOOR BRACED** Toilet Compartments can be easily and speedily erected. They are secured to the floor with  $\frac{3}{8}$  in. diameter anchor bolts having at least 2 in. penetration into the floor slab. Floor connections are concealed by an attractive pilaster trim 3 in. high. Panels, doors

and fronts are available in a number of standard sizes. For list of standard sizes, see Page 23.

### materials and construction

**MARBLMETAL — FLOOR BRACED** Toilet Compartments are constructed of the finest quality galvanized-Bonderized furniture steel, or porcelain enamel steel. Panel and door sheets are permanently bonded to a honeycomb core and incorporate Mills exclusive integral interlocking design (Pat. No. 2776029), welded at corners. All hardware is non-corrosive, heavily chrome plated. For fastenings see specifications on opposite page.

### available in two finishes—many colors

For details, see pages 7 to 9.





## Specifications

**GENERAL** The toilet compartments shall be **MARBLMETAL—FLOOR BRACED**—with top of doors and fronts flush and no overhead bracing, as manufactured by The Mills Metal Compartment Co., Upper Sandusky, Ohio.

**DIVIDING PANELS**—Shall be flush, 1" thick made of two sheets of 20 gauge furniture steel, spaced and insulated with honeycomb core, cemented under pressure to inner surface with waterproof rust inhibiting binder. Edges of panel sheets shall be formed to interlock with each other, forming a sturdy, two-piece unit (Pat. No. 2776029), welded at the corners. Dividing panels to be anchored to fronts by "U" brackets.

**DOORS**—Where shown on plans shall be flush 1" thick and of same design and construction as specified for dividing partitions, and shall be rigid, free from distortion and reinforced for hardware.

**FRONTS**—Shall be flush  $1\frac{1}{4}$ " thick, made of two sheets of 16 gauge steel, spaced and insulated with honeycomb core cemented under pressure to the inner surfaces for 24 hours with a water proof binder. The sides and top edge shall be bound and interlocked with 18 gauge rolled steel moldings welded at top corners. The bottom edge shall be prepared for floor connections and be reinforced with 12 gauge channels securely arc welded to a leveling cross bar of  $\frac{1}{2}$ " x  $\frac{7}{8}$ ". Bottom edge of front adjacent to wall shall be flush with bottom of door, recommended width not to exceed 7".

**FLOOR CONNECTIONS**—The fronts shall be fastened with an anchoring device, integrally welded near floor line, and designed to transmit strain of lateral thrust to floor construction through two 3/8" diameter galvanized bolts with expansion shields having at least 2" penetration into the floor slab.

These  $\frac{3}{8}$ " diameter bolts to project up from floor to form a jack screw leveling device on which set the  $\frac{1}{2}$ " x  $\frac{1}{8}$ " leveling cross bar of the bottom of the stile, which in turn is held in place by use of a lock nut over floor anchor projections for proper leveling. The bottom of the floor anchoring device shall be covered with a 3" high polished stainless steel base (that will act as a mop strip) and shall be fastened to bottom of the fronts to give a finished appearance.

When dry fill floor construction is used in place of solid concrete, specify: sub floor plate anchors, furnished by the partition contractor, installed by others on concrete slab BEFORE fill and finished floors are applied.

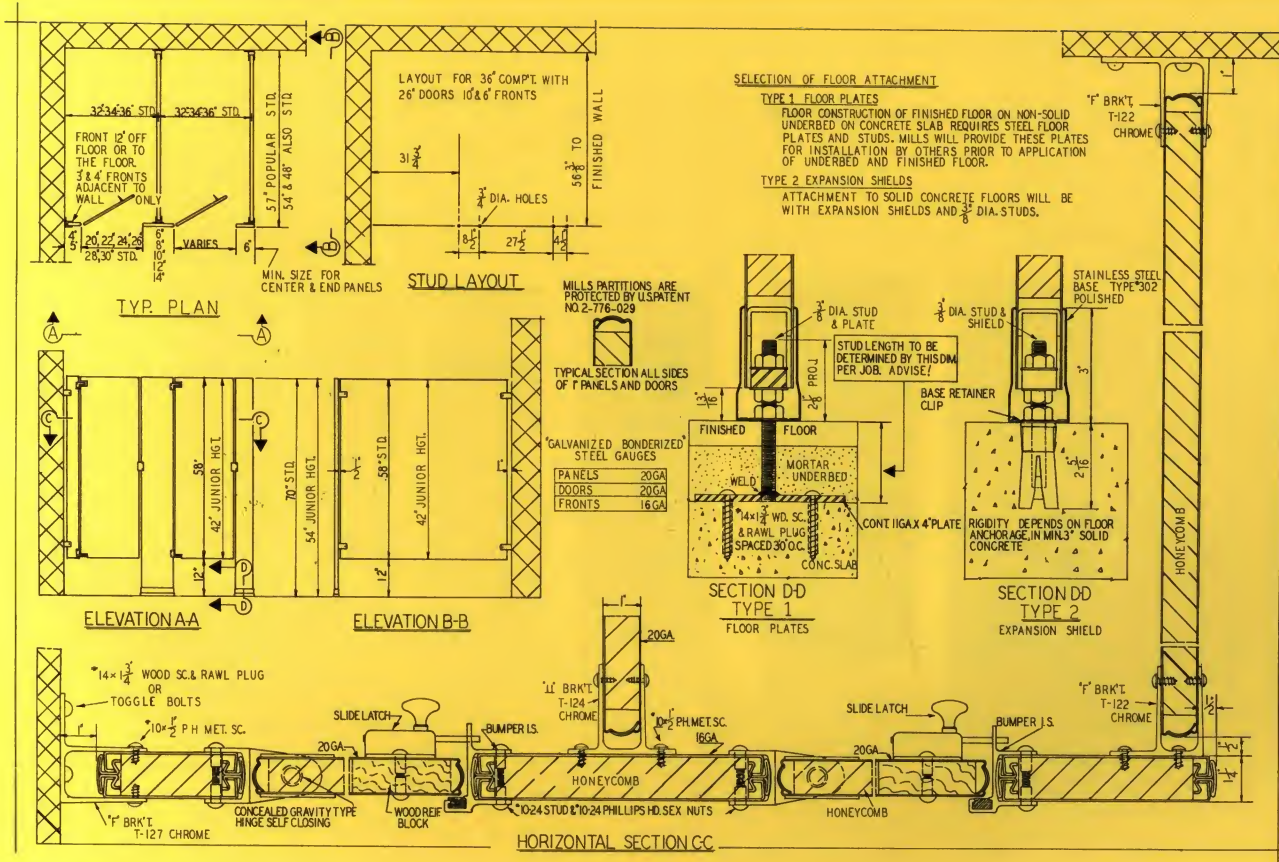
**WALL CONNECTIONS**—All front and dividing panels shall be fastened to masonry walls with wall "U" brackets to hold panel away from wall approximately 1".

**DOOR HARDWARE**—Non-ferrous heavily chrome plated. Doors shall be hung on Mills standard gravity-type hinges. Bottom hinge shall have Nylon cam and follower construction, and be concealed within the door, both matched parts to be aligned by heavy stainless steel pintle. Top hinge to be mounted in cutout near top of door and operating on stainless steel pintle within a Nylon bushing. Each door to be equipped with Mills standard slide latch, keeper and bumper, and combination coat hook and bumper.

**FASTENINGS**—Hinges, keeper and latch to be applied with Phillips head sex nuts and studs. (One way fastenings available when specified). Combination coat hook and bumper applied with one way metal screws.

**FINISH**—All material to be completely finished. Material shall be galvanized-Bonderized furniture steel, given a prime coat and a finish coat of high grade synthetic enamel and oven-baked to produce a highly mar-resistant surface.

For porcelain enamel finish see page 8.





# sentinel

## overhead braced

a quality compartment  
for many uses

**MILLS SENTINEL** Toilet Compartments are designed for use in public buildings, department stores, office buildings, clubs, hotels and schools where a strong compartment, able to withstand heavy usage is needed. Their general appearance is similar to **Mills Marblemetal Floor Braced** Compartments except that the pilasters extend approximately 12" above the door tops to a continuous overhead brace. This provides a rigid installation on thin floors or where sub floor cannot hold the compartments rigid. Use of overhead braced construction is good engineering practice for permanent rigidity for entrance screens, alcove toilet stalls, etc.

### engineered value features

**MILLS SENTINEL** Compartments feature simple, pre-fabricated construction with self alignment features that make installation easy and economical. Their smooth flush surfaces are easy to clean, do not accu-

mulate dust since all surfaces are flat without crevices. Panel, doors and fronts are manufactured in many standard sizes. See page 23.

### materials and construction

**MILLS SENTINEL** — Compartments are constructed of the finest galvanized-Bonderized furniture steel or porcelain enamel steel. Sheets are permanently bonded to a honeycomb core and incorporate Mills exclusive integral, interlocking design (Pat. No. 2776029), welded at corners. The floor and headrail connections are concealed to enhance the streamlined appearance. All hardware is non-ferrous heavily chrome plated. For fastenings see specifications on opposite page.

### available in two finishes—many colors

For details see pages 7 to 9.







sentinel

## specifications:

**GENERAL**—All Partitions, doors, entrance screens and dressing rooms shall be Mills **SENTINEL** as manufactured by Mills Metal Compartment Co., Upper Sandusky, Ohio.

**DIVIDING PANELS**—Shall be flush, 1" thick made of two sheets of 20 gauge furniture steel, spaced and insulated with honeycomb core, cemented under pressure to inner surface with waterproof rust-inhibiting binder. Edges of panel sheets shall be formed to interlock with each other, forming a sturdy, two-piece unit (Pat. No. 2776029), welded at the corners. Dividing panels to be anchored to fronts by "U" brackets.

**DOORS**—Where shown on plans shall be flush 1" thick and of same design and construction as specified for dividing partitions, and shall be rigid, free from distortion and reinforced for hardware.

**FRONTS**—Shall be flush 1 1/4" thick made of two sheets of 18 gauge furniture steel, spaced and insulated with honeycomb core cemented under pressure with waterproof, rust-inhibiting binder. Edges of panel sheets are formed to interlock with each other forming a sturdy two piece unit (Pat. No. 2776029), welded at the corners. Bottom edge of fronts adjacent to wall shall be flush with bottom of door, recommended width not to exceed 7".

**FLOOR CONNECTIONS**—The fronts shall be fastened to the floor by fitting over a 16 gauge internal floor channel. This channel shall be fastened to the floor with two connections and permit the fronts to have vertical adjustment for uneven floors. The floor channel and bottom of front shall be covered with a 3" high polished stainless steel base (which will act as a mop strip) and shall be fastened to the bottom of the fronts to give a finished appearance.

**TOP BRACING**—Rectangular headrail, 18 gauge, 1" x 1 3/4" shall thread through top of all fronts and fasten by means of sheet metal screws.

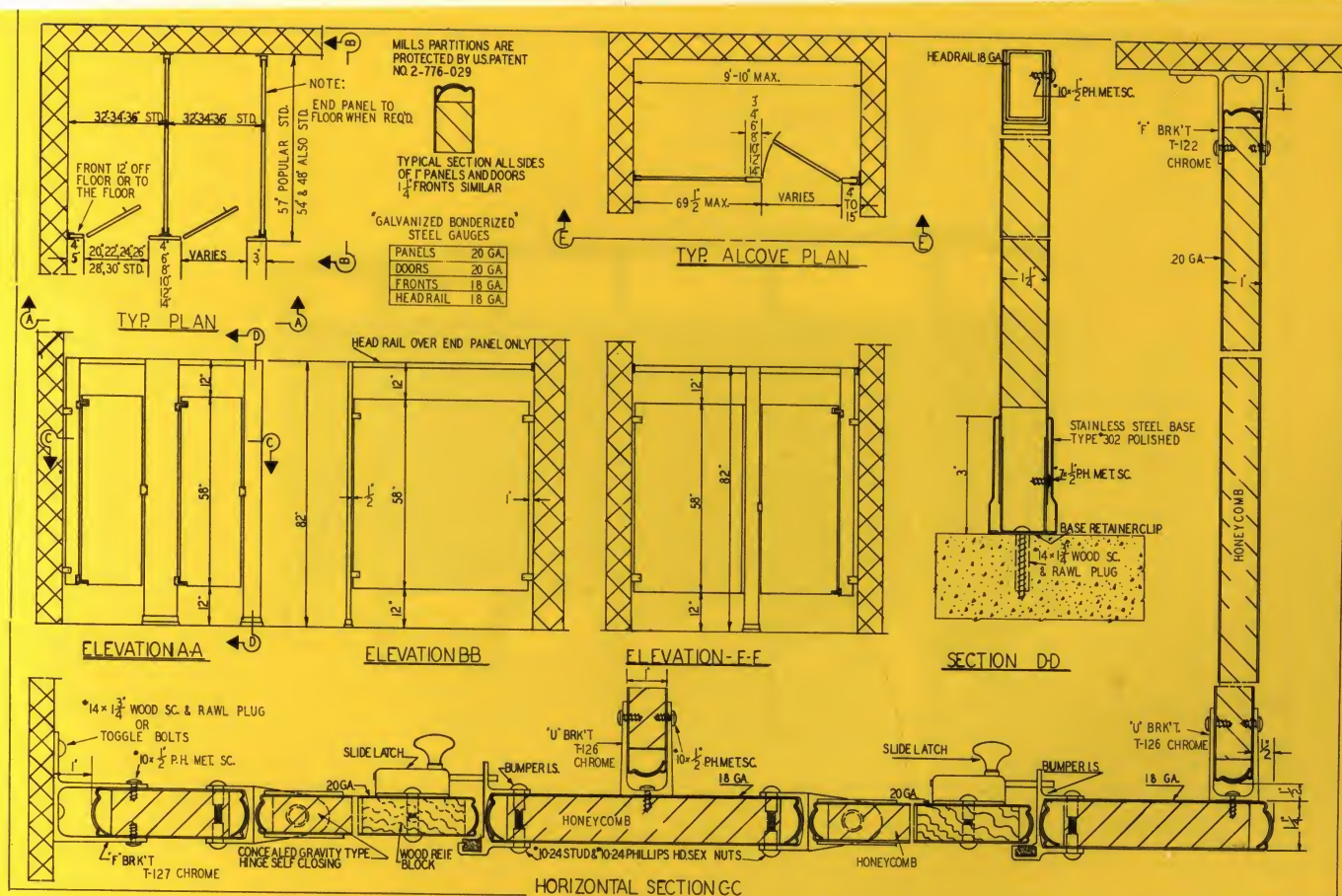
**WALL CONNECTIONS**—All front and dividing panels shall be fastened to masonry walls with wall "U" brackets to hold panel away from wall approximately 1".

**DOOR HARDWARE**—Non-ferrous heavily chrome plated. Doors shall be hung on Mills standard gravity-type hinges. Bottom hinge shall have Nylon cam and follower construction, and be concealed within the door, both matched parts to be aligned by heavy stainless steel pintle. Top hinge to be mounted in cutout near top of door and operating on stainless steel pintle within a Nylon bushing. Each door to be equipped with Mills standard slide latch, keeper and bumper, and combination coat hook and bumper.

**FASTENINGS**—Hinges, keeper and latch to be applied with Phillips head sex nuts and studs. (One way fastenings available when specified): Combination coat hook and bumper applied with one way metal screws.

**FINISH**—All material to be completely finished. Material shall be galvanized-Bonderized furniture steel, given a prime coat and a finish coat of high grade synthetic enamel and oven-baked to produce a highly mar-resistant surface.

For porcelain enamel finish see page 8.





# metal flush

## overhead braced

### the 1" thick toilet compartment

Designed for use as toilet compartments, cubicles and dressing rooms, **MILLS METAL FLUSH** Compartments are identified by their one inch thick panels and doors and Mills exclusive internal shoe floor mountings. Metal Flush can be used in any type of building.

#### engineered value features

**METAL FLUSH** panels are rigidly anchored to the floor by Mills exclusive internal rust proof shoe. The post fits down snugly over this shoe. There is no external shoe top and crevice to collect water. Easy to clean, the smooth, flush, baked-on enamel surfaces of Metal Flush compartments stay clean longer. This means materially lower maintenance.

**METAL FLUSH** doors can be used with marble partitions and their use modernizes the appearance of old toilet compartments and gives the added value of the sanitation and durability of metal.

**METAL FLUSH** panel and door units are available in many standard sizes, see page 23.

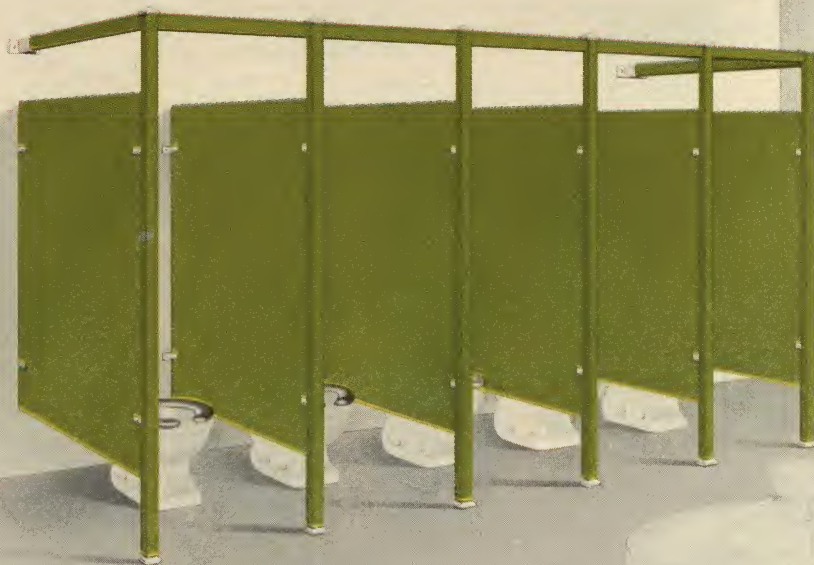
#### materials and construction

The finest quality galvanized-Bonderized furniture steel is used in the construction of **MILLS METAL FLUSH** compartments. All units are constructed of two sheets of steel permanently bonded in an insulating core and incorporating Mills exclusive integral interlocking design (Pat. No. 2776029), welded at the corners. Headrail threads through top of all posts and locks them in position by means of an ornamental post cap. **MILLS METAL FLUSH** hardware is heavy brass, chrome plated. For fastenings see specifications on opposite page.

#### baked-on enamel finish—many colors

For details, see pages 7 and 9.

(NOT AVAILABLE IN PORCELAIN FINISH)







# metal flush

## specifications:

**GENERAL**—All partitions, doors, entrance screens and dressing rooms shall be Mills **METAL FLUSH** as manufactured by Mills Metal Compartment Co., Upper Sandusky, Ohio.

**PANELS AND POSTS**—All panels shall be 1" thick made of two sheets of 20 gauge furniture steel, spaced and insulated with a honeycomb core, cemented to the inside of the panel sheets with a rust-inhibiting binder. Edges of panel sheets shall be formed to interlock with each other, forming a sturdy two-piece unit (Pat. No. 2776029), welded at the corners. Panels shall be anchored to the posts by means of "U" brackets. Posts shall be 18 gauge, 1 3/4" square of a sanitary design.

**DOORS**—Doors, where shown on plans, shall be 1" thick and of the same design and construction as specified above for partition panels. Doors shall be rigid, free from distortion and reinforced for hardware. Maximum door width for compartments—32".

**TOP BRACING**—Rectangular headrail, 18 gauge, 1" x 1 3/4" shall thread through the top of all posts and lock them in fixed position by means of a universal ornamental post cap.

**FLOOR ATTACHMENT**—Shall be by means of an **INTERNAL** rustproof shoe designed to permit adjustment for uneven floors and tightly fastened to the floor with concealed fastenings.

**WALL CONNECTIONS**—Shall be wall "U" brackets attached to the wall.

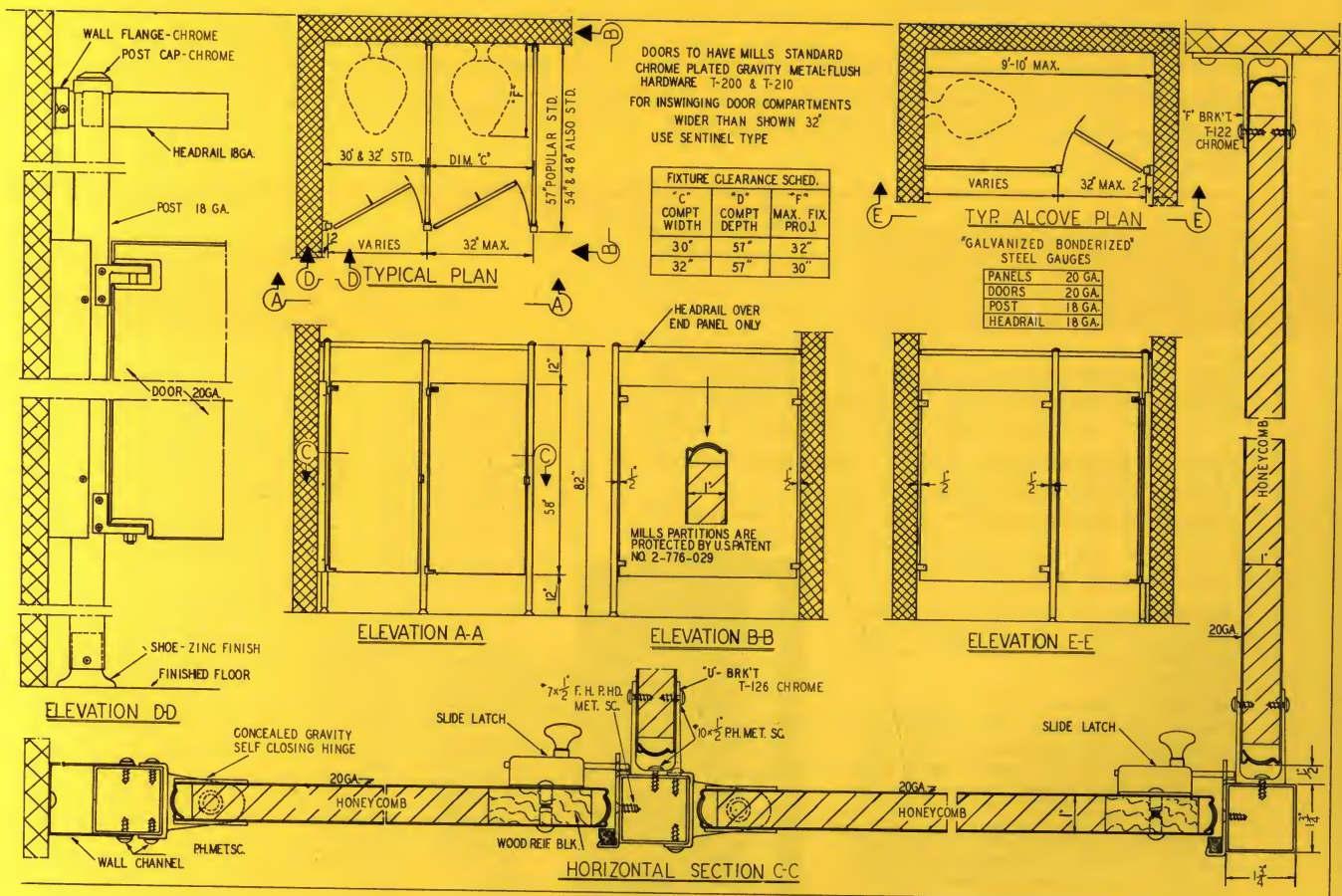
**DOOR HARDWARE**—Non-ferrous heavily chrome plated. Doors shall be hung on Mills standard gravity-type hinges. Bottom hinge shall have Nylon cam and follower construction, and be concealed within the door, both matched parts to be aligned by heavy stainless steel pintle. Top hinge to be mounted in cutout near top of door and operating on stainless steel pintle within a Nylon bushing. Each door to be equipped with Mills standard slide latch, keeper and bumper, and combination coat hook and bumper.

**FASTENINGS**—Hinges and keeper to be applied with Phillips head metal screws. Latch to be applied with Phillips head sex nuts and stud. (One way fastenings available when specified.) Combination coat hook and bumper applied with one way metal screws.

**BACKS AND UTILITY SPACE**—Backs against walls, enclosures for utility corridors or vent space shall be of single sheet construction. Vent tops and utility doors shall be of single sheet construction properly reinforced.

**FINISH**—All material to be completely finished. Material shall be galvanized-Bonderized furniture steel, given a prime coat and a finish coat of high grade synthetic enamel and oven-baked to produce a highly mar-resistant surface.

(NOT AVAILABLE IN PORCELAIN FINISH)





## shower and dressing rooms

Careful choice of material for multiple shower unit and dressing room facilities for schools, swimming pools, motels, factories and similar buildings is important for many reasons. Appearance, cleanliness and good taste are important for public goodwill and employee morale. Durability and ease of maintenance have a definite effect on the overall year to year cost of the installation.

Meeting all the requirements of this type installation, **MILLS METAL FLUSH** material, forming a battery of shower stalls, with or without dressing rooms, is the finest material available. Mills exclusive internal rust-proof shoe floor connection gives an important advantage since these compartments are exposed to considerable amounts of water and steam and this Mills exclusive feature eliminates the usual pocket at top of shoe that accumulates water and increases the chances of corrosion.

**SENTINEL** fronts, as illustrated, may be used for the outer dressing room enclosure.

Shower compartments are furnished in corrosion resistant galvanized, Bonderized steel, finished in durable, baked-on-enamel in any of the colors shown on pages 7 to 9.

## specifications:

**GENERAL**—All panels, and doors, if required, shall be **Mills METAL FLUSH** as manufactured by the Mills Metal Compartment Co., Upper Sandusky, Ohio. Shower basin, curb of terrazzo or concrete shall be furnished by others. Curb dimensions as suggested in adjacent detail.

**PANELS AND POSTS**—All panels shall be 1" thick made of two sheets of 20 gauge furniture steel, galvanized-Bonderized, spaced and insulated with a fibre filler cemented to the inside of the panels with a rust resisting binder. Edges of panel sheets are formed to interlock with each other forming a sturdy two piece unit, (Pat. No. 2776029), welded at the corners. Posts shall be 18 gauge, 1 3/4" square.

**TOP BRACING**—Rectangular headrail, 18 gauge, 1" x 1 3/4" shall thread through top of all posts and lock them in fixed position by means of a universal ornamental post cap.

**FLOOR AND CURB ATTACHMENTS**—Shall be by means of Mills exclusive **INTERNAL** rustproof connectors designed to permit adjustment for uneven floors and tightly fastened to the floor and curb with concealed fastenings.

**WALL CONNECTIONS**—Shall be stirrup brackets attached to the wall with bolts properly spaced to prevent breaking out.

**FASTENINGS**—All fastenings shall be Phillips head screws or one way when specified.

**DOORS**—Where required, doors shall be 1" thick and of the same design and construction as specified for panels.

**ACCESSORIES**—Shower heads, valve controls, soap dishes, curtains and seats to be supplied by others unless otherwise specified.

**FINISH**—All material shall be completely finished at the factory. Material shall be thoroughly cleaned, free from oil, given one coat of rust resistant primer, sprayed evenly with synthetic enamel and oven baked.

## unit showers

Mills Unit Showers are absolutely watertight, leak-proof self-contained units. Available in sizes 36" x 36" x 84" and 32" x 32" x 84". Shipped knocked down with receptors, curtain rods and rings with clear erection instructions.

Suggested shower and dressing room layout page 22.

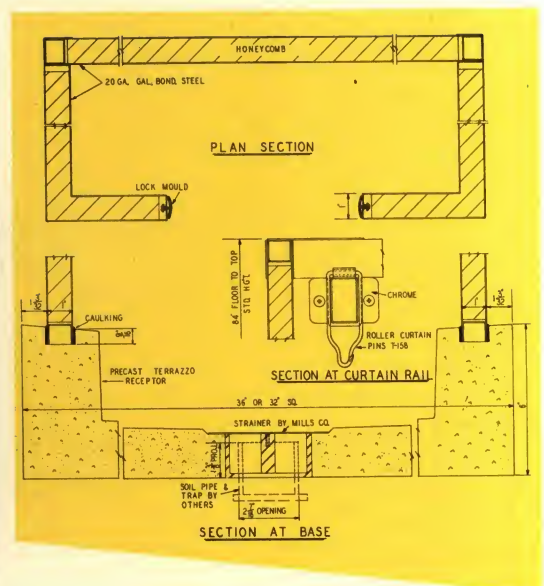
### specifications:

Receptors shall be black and white precast terrazzo with self-draining base and cast-in drain. 2" drain connector by others.

**WALLS**—1" thick 20 ga. galvanized-bonderized steel walls, spaced and insulated with sound-deadening filler cemented to inside panel sheets with rust-inhibiting binder. Braced at top by angle frame.

**ACCESSORIES**—Shower head, valve, controls, soap dishes and curtains can be supplied, type to be specified at additional cost.

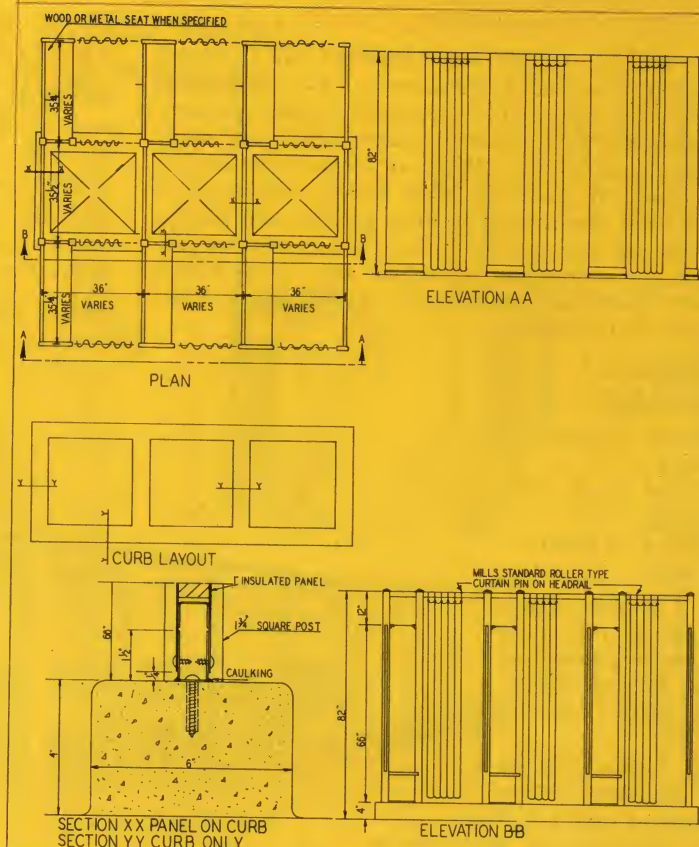
**FINISH**—Walls cleaned, given one coat rust-resisting primer and finished in baked-on synthetic enamel. Color as selected from pages 7 and 9.







## shower and dressing rooms shower units





## hospital cubicles

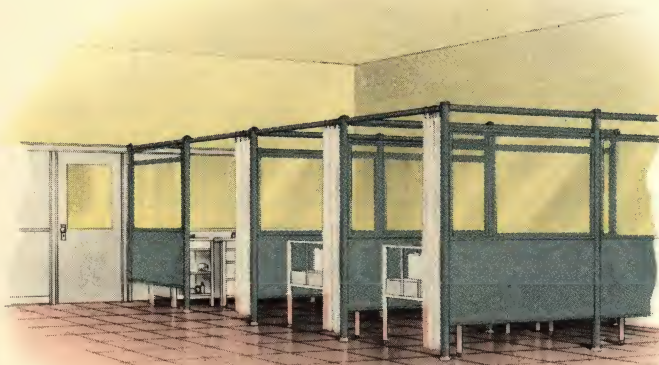
**MILLS METAL HOSPITAL CUBICLES** fill the need in modern Hospital Administration for better control of ward space. They provide greater privacy for ward patients, eliminate drafts, allow nurses or attendants complete visibility of all patients at the same time. In addition, Mills Metal Hospital Cubicles, allow easy access to each patient and permit adequate air circulation. Although rugged and permanent in construction and appearance, Mills Metal Hospital Cubicles can be quickly and easily rearranged, when necessary.

### available in three styles:

1. Flush Pilaster 3" thick.
2. Metal Flush 1 $\frac{3}{4}$ " thick
3. Metal Flush 1" thick.

The 3" thick Flush Pilaster is especially adapted for concealing wiring for call lights, radio plugs, buzzers, etc.

Metal Flush Cubicles may be used where there is no wiring and where economy is a factor.



### specifications:

**GENERAL**—Hospital Cubicles shall be Mills three inch **FLUSH PILASTER** or 1" or 1 $\frac{3}{4}$ " **METAL FLUSH** material as manufactured by The Mills Company, 965 Wayside Road, Cleveland 10, Ohio.

**FLUSH PILASTER CUBICLES**, for complete specifications see Flush Pilaster material in Mills Office Partition Catalog No. 58.

**METAL FLUSH SPECIFICATIONS**—See Metal Flush Page 16.

### GLASS AND GLAZING—

(Omit if not required). Glass glazing for Hospital Cubicles shall be furnished by others, maximum thickness  $\frac{1}{4}$ ". Glass shall be bedded in putty and back putted. Putty shall be furnished by The Mills Co. to match color of cubicle.

## junior height

## marblmetal floor braced toilet compartment

### MILLS JUNIOR COMPARTMENTS

Similar in construction to Mills Marblmetal Floor Braced, these compartments are in keeping with junior-size lavatories and washroom fittings being furnished by principal plumbing manufacturers. They afford privacy for the kindergarten and lower grade school child but lower height permits supervision by the teacher in charge.

### JUNIOR HEIGHT

We suggest maximum overall height of 54" with panels and doors of 42" height set 12" off the floor. . . . For complete specifications see Mills Marblmetal Floor Braced, page 13.



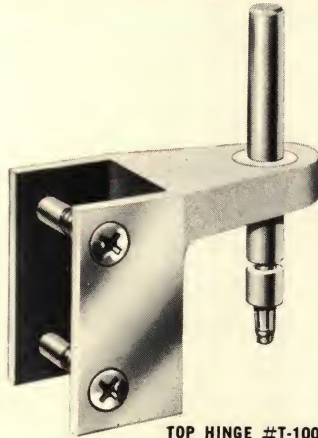


standard  
hardware

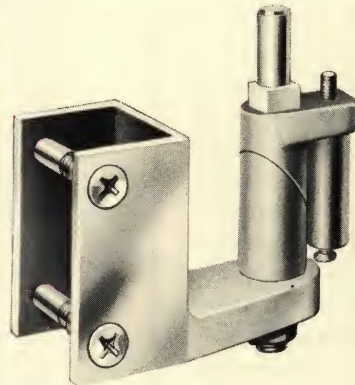
for metal toilet  
compartments



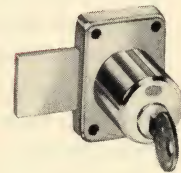
CURTAIN PIN #T-158



TOP HINGE #T-100 ALL  
TYPES EXCEPT METAL  
FLUSH #T-200



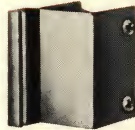
BOTTOM HINGE #T-110 ALL  
TYPES EXCEPT METAL  
FLUSH #T-210



CORBIN CABINET LOCK  
#0764-L



M.F. (I.S.)  
BUMPER #T-186



(O.S.) BUMPER  
1 1/4" #T-177



(I.S.) BUMPER  
1 1/4" #T-176



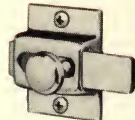
COAT-HOOK  
BUMPER #T-175



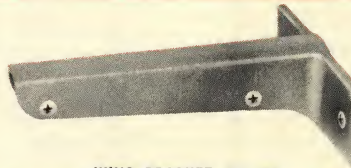
DRESSING STALL  
COAT HOOK #T-174



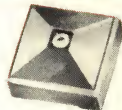
M.F. (O.S.)  
BUMPER #T-187



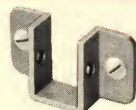
SLIDE LATCH #T-160



WING BRACKET #T-133



M.F. POST CAP #T-181



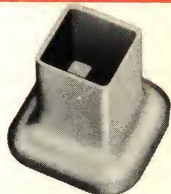
HEAD RAIL FLANGE  
#T-121



PULL DOWN  
CHROME-PLATED UTILITY SHELF



CHROME  
DOOR PULL #T-120



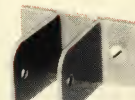
M.F. INTERNAL SHOE #T-142



"F" BRACKET  
T-122-1" T-127-1 1/4"



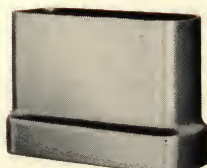
"U" BRACKET T-126-1"



WALL "U" BRACKET  
T-124-1" T-129-1 1/4"



M.F. CEILING  
FLANGE #T-184



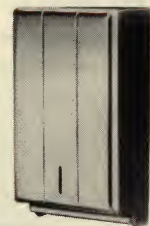
FRONT BASE  
3-4-6-8-10-12 & 14



ROLL PAPER HOLDER #R-200



PALMER ECONOMY  
PAPER HOLDER  
#202



CABINET PAPER HOLDER  
#795 CR.



## typical layouts

## for metal shower and bath compartments

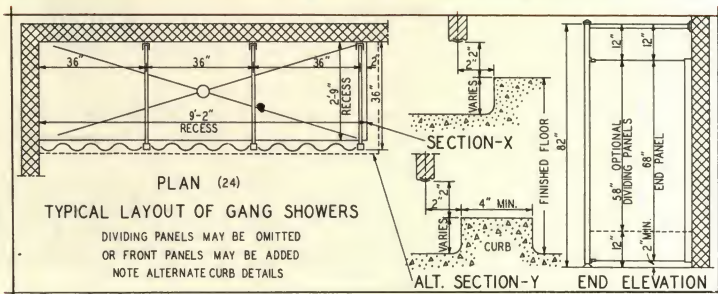
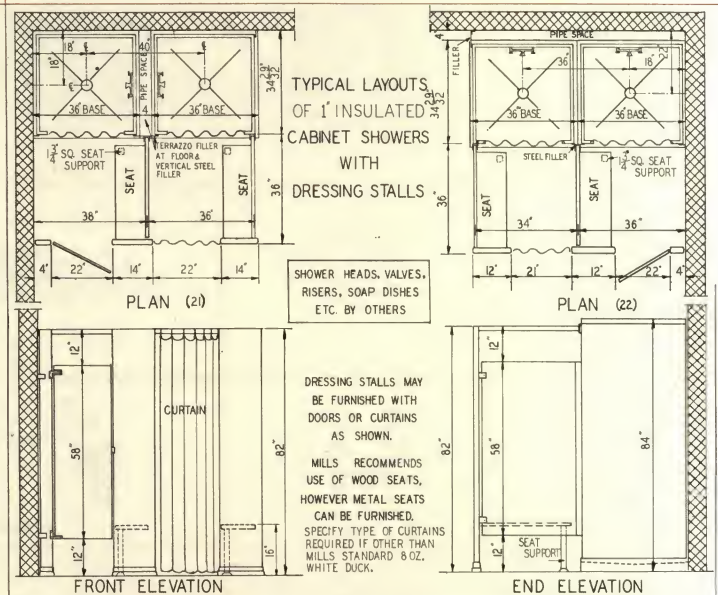
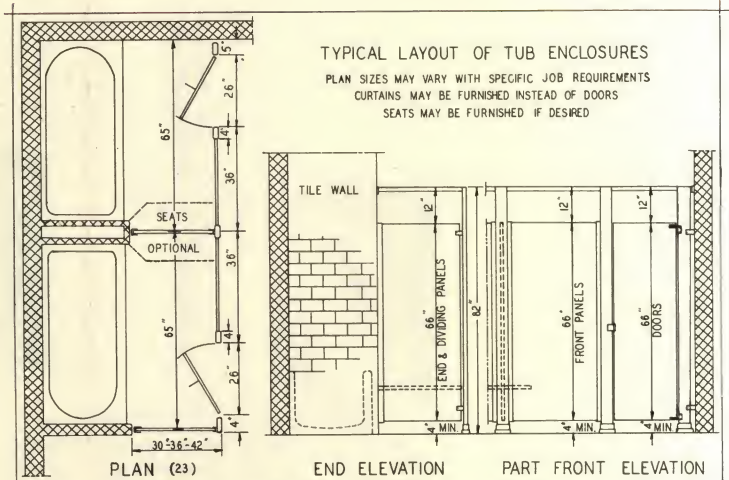
The Mills Company's years of leadership in the Toilet Compartment Industry have enabled Mills engineers to develop a series of typical layouts for toilet rooms of different sizes and using various arrangements of the compartments also, typical layouts for shower and tub bath rooms with and without dressing rooms in combination. These layouts have been engineered to make the best use of materials and space without sacrificing appearance. A few of these typical layouts, proven in thousands of installations, are shown at the right. There are many others to fit any size rooms and building conditions.

These and similar recommended layouts are designed to use standard sizes of panels, fronts and doors. Use of standard size units speeds fabricating time and can result in substantial savings.

### free engineering service

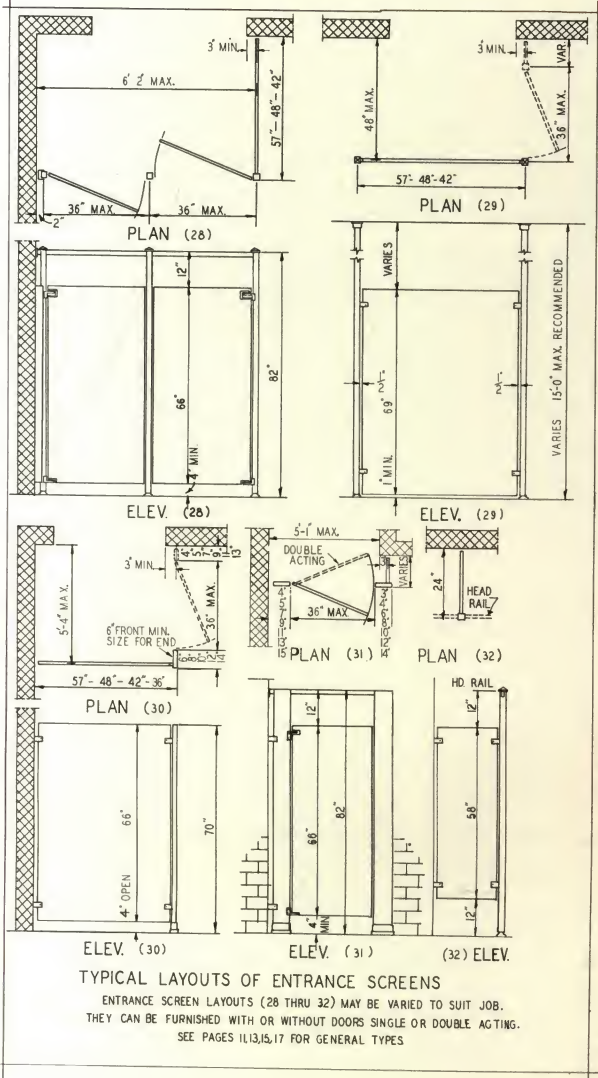
Mills' staff of experienced engineers is at your service, at any time, to help with your layout problems in Toilet rooms, showers, dressing rooms and hospital cubicles. Consult Mills nearest representative or send us an outline of your needs.

Right is reserved to revise design and specifications and substitute material without notice.

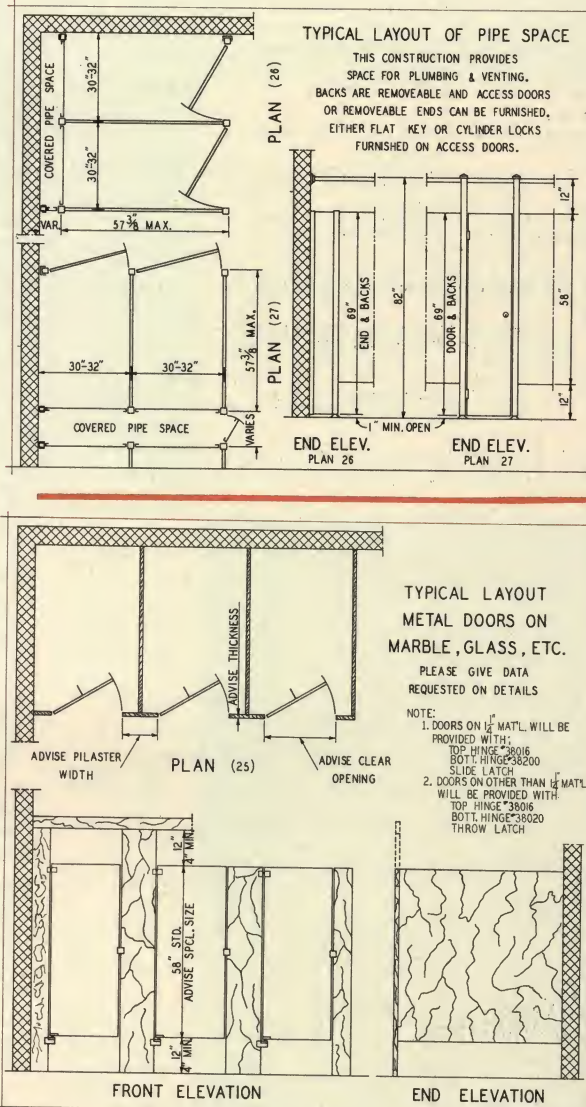




## for toilet room entrances



## for toilet stalls and pipe space



## standard sizes of Mills units for toilet compartments

The use of standard units speeds fabrication time and reduces delivery time. It also frequently effects substantial savings in the cost of the completed job. Listed below are the Mills Standard sizes of all units making up Toilet Compartments.

Compartment Widths—30, 32, 34 and 36 in. center to center of dividing panels.

Wall to front of compartment—57 inches.

Other Standard panel depths are 48, 42, 36, 30 and 24 inches. These are used for screens, dressing stalls, urinals and toilet compartments.

Dividing panels and doors—58 in. high.

Floor to bottom of dividing panels—Ceiling hung 12 in., Floor braced, 12 in., Sentinel and Metal Flush 12 in.

Floor to bottom of doors, all types, 12 inches.

Top of doors to top of headrail—12 inches.

Finish floor to top of headrail—82 inches, overall height.

Fronts, standard widths—3, 4, 6, 8, 10, 12 and 14 inches.

Doors, standard widths, 22, 24, 26, 28, 30, 32 and 34 inches.

The foregoing dimensions comply with the modular system of dimensional coordination and are standard stock sizes for Panels, Doors and Fronts.



# sales representatives

**ALABAMA**  
Birmingham 3 Wilson Door & Window Supply Co., 716 Eighth Court, W. AL 1-4533  
Montgomery Shepard M. Stewart, 1262 Magnolia Curve. AMherst 2-0473

**ARIZONA**  
Don J. Cummings Co., 7721 Apache Ave., N.E. 92411  
Box 3103, Albuquerque, N. M.

**ARKANSAS**  
Fort Smith Felix Thompson Co., 423 N. 10th St., P. O. Box 13. SUnset 2-5067

**CALIFORNIA**  
Los Angeles 32 Builders Specialty Co., 5320 Valley Blvd. Capital 1-2186  
San Francisco 23 Coast Builders Specialties, 344 Harriet St. 5-6112  
San Diego See Builders Specialty Co., Los Angeles. Capital 1-2186

**COLORADO**  
Denver 16 Leever Post Co., 4350 N. Broadway. AMherst 6-2475

**CONNECTICUT**  
Hartford 5 The Reynolds Agency, 634 Asylum Ave. Jackson 7-3151

**DELAWARE**  
Wilmington 5 Jandy, Inc., 3407 Lancaster Pike. Wyman, Del. 8-2244

**DIST. OF COL.**  
Bladensburg, Md. John H. Hampshire, Inc., 4626 Annapolis Rd. Union 4-0300

**FLORIDA**  
Jacksonville 3 George P. Coyle & Son, 2361 Dennis St., P. O. Box 2267. EL 6-4821  
Miami Joe Farrington, Inc., 300 Biscayne Blvd. Way, DuPont Center, Suite 414. FRanklin 4-1717  
St. Pete 33 Building Specialties, Inc., P. O. Box 10969. 5-4613  
West Palm Beach Manufacturers Representatives, Inc., 6205 South Dixie. Justice 5-5545

**GEORGIA**  
Atlanta J.R. Ulery Company, 565 Plum St., N. W. Jackson 1-2299

**IDAHO**  
Gerstner Specialties, Inc., 83 Navajo St., P. O. Box 336, Salt Lake City, Utah. EL 5-2993

**ILLINOIS**  
Chicago 10 The Mills Company, 2561 W. 79th Street. WAlbrook 5-9700  
Peoria W. W. Grote, 3208 North University. 5-5612  
Rockford Architectural Iron Co., Inc., 904-22nd Street. 3-8403

**INDIANA**  
Evansville 14 Somers Engineering Sales, P.O. Box 572. GReenleaf 6-2640  
Fort Wayne Irmischer Sales, 2920 Engle Rd., P.O. Box 324. HArrison 4-242  
Indianapolis 22 Stackhouse Bldg. Specialties Co., 1314 W. Washington. MElose 2-8503  
See The Mills Company, Chicago, Ill. WAlbrook 5-9700  
South Bend

**IOWA**  
Davenport Plath Building Supply, P. O. Box 306. Dial 6-0177  
Des Moines 8 Kurtz Hardware Co., 312-314 Walnut Street. AT 8-0148  
Waterloo Pinkerton Bldg. Supply, 302½ W. 4th St., Box 419. AD 3-3361

**KANSAS**  
Hutchinson Supply Service, Inc., 528 S. Main Street. MOhawk 3-9111  
Topeka See B-D-R Engineering Corp. Kansas City, Mo. JE 1-8366  
Wichita Supply Service, Inc., 1250 Mosley, Box 1678. AMherst 7-5831

**KENTUCKY**  
Lexington & Louisville Faulkner Clark Material Sales, 234 N. Upper St., Box 295. 5-2984

**LOUISIANA**  
New Orleans Metal Bldg. Products Co., 1937 Lafayette St., Box 83. Jackson 5-3242  
Shreveport Harold Lipper Company, 301 Spring St. 4-6686

**MAINE**  
Bangor Acme Supply Company, 60 Summer Street. 9443

**MARYLAND**  
Baltimore Talbott & Degele, Inc., 328 E. 25th Street. HOplins 7-5407, 5408, 5409

**MASSACHUSETTS**  
Boston 15 The Raymond H. Pierce Co., 126 Moss Ave. COpely 7-1100, 7-1101  
Pittsfield Kenneth P. Ritchie, 21 North St., Room 205. 5375  
Worcester 8 Chester E. Peterson Co., 306 Main St. PLeasant 4-0734

**MICHIGAN**  
Alpena Wiltse Bros. Corp., P. O. Box 32. 4300  
Detroit 26 Building Accessories Co., 155 W. Congress St. WOOdward 1-4406  
Flint 1 J. P. Burroughs & Son, Inc., 625 W. Second St. CE 2-2181  
Grand Rapids 7 Associated Material & Supply, 1222 Burton St., S.E. CHerry 3-3653  
Lansing 29 Young Bros. & Sales, Inc., 720 East Michigan. IVanhoe 4-5431  
Muskegon Hts. General Building Materials Co., 2523 Sixth St. 3-2258  
Saginaw Hugh Lee Iron Works, Inc., 925 S. Water Street. PLeasant 7-0338

**MISSISSIPPI**  
Open

**MINNESOTA**  
St. Paul Pella Products, 929 Washington Ave., South. Federal 5-4137

**MISSOURI**  
Kansas City B-D-R Engineering Corp., 4243 Pennsylvania Ave. JEFFerson 1-8366  
St. Louis Howard Willis Company P. O. Box 3818, Kirkwood Station. YOrktown 6-3555

**MONTANA**  
Open

**NEBRASKA**  
Omaha Engineering Products Company, P.O. Box 1124. ATLantic 1776

**NEVADA**  
Gerstner Specialties, Inc., 83 Navajo St., P.O. Box 336, Salt Lake City, Utah. EL 5-2993

**NEW HAMPSHIRE**  
Chester E. Peterson Co., 306 Main St., Worcester Mass. Pleasant 4-0734

## NEW JERSEY

Mills Metal Partition Co., 640 Fifth Ave., New York 19, New York. JUDson 2-6844

## NEW MEXICO

Albuquerque Don J. Cummings Co., 7721 Apache Ave., N.E., Box 3103. 9-2411

## NEW YORK

### Albany

Manufacturers' Architectural Representative Service  
P.O. Box 134, 3777 Wellington Road, Delmar, New York. 9-4417  
A. O. Stillwell Co., Inc., 991 Main St. GRant 6506  
James D. Reddick, P.O. Box 1. 1718  
Mills Metal Partition Co., 640 Fifth Avenue. JUDson 2-6844  
James D. Reddick, 500 Lafayette Bldg. GRanite 1-9941  
James D. Reddick, 209 Powers Bldg. LCOust 2-7331

## NORTH CAROLINA

Asheville S. R. Goldman, Room 212, Haywood Building. ALpine 3-1151  
Carrboro S. H. Basnight & Sons, Drawer 547, Main St. Chapel Hill 9-458  
Charlotte 1 R. R. Robertson, 1409 Independence Bldg. Box 56. EDison 3-5561

## NORTH DAKOTA

Pella Products, 929 Washington Ave., S. St. Paul, Minn. Federal 5-4137

## OHIO

Akron 10 Albert E. Hotard Company, 790 Thayer Street. FRanklin 6-7129  
Cincinnati 2 Central Building Products Co., 626 Broadway. Garfield 1-0381, 0382  
Cleveland 3 Mills Metal Partition Co., Inc., 7500 Euclid Ave. EXpress 1-3726  
Columbus 23 Alvan Tallmadge Co., 624 Harman Ave. CAPitol 1-7858  
Dayton 2 Andrew Placher Sons Co., 424 East First St. Baldwin 8-6128  
Portsmouth Earl C. Hayes Co., 1144 Eighth St., P.O. Box 509. Elmwood 3-4450  
Toledo Wm. C. Turnbull Co., P.O. Box 44, Sta. C. CHerry 6-3437  
Youngstown 4 L. D. Sheffield & Son, 4185 Belmont Ave. Ext. Riverside 6-6323

## OKLAHOMA

Tulsa 1 Building Specialties Co., 4403 S. Peoria, Box 1211. Riverside 3-1376, 1377

## OREGON

Portland Gamble-Hawkins Co., 1617 N. W. 14th Avenue. Capital 7-2546

## PENNSYLVANIA

Erie Erie Steel Products Co., 1400 Irwin Drive. 4-1528  
Philadelphia 3 Victor C. Smith, 1717 Sansom St. LCOust 7-5377, 7-5378  
Pittsburgh 35 James Hood Miller, Inc., Verona & Mt. Carmel Roads, P.O. Box 10568. CHurchill 2-2580  
Reading John H. Millard, 4 South 20th Street. FRanklin 3-6450  
Scranton Fred R. Evans, 312 Madison Avenue. Diamond 7-9691

## RHODE ISLAND

Providence 7 Edcar Sales Company, 634 Broad Street. DEXter 1-6123

## SOUTH CAROLINA

Greenville J. Mac Rabb Co., 10 Pine Forest Drive, P.O. Box 144. Cedar 2-1303

## SOUTH DAKOTA

Rapid City J. S. Kibben Co., Inc., 44 East Rapid St. Fillmore 2-0144

## TENNESSEE

Knoxville Lee Martin, 1801 Lake Ave. 2-1634  
Memphis 11 Welch & Featherston, 580 South Greer St. Glendale 8-6503  
Nashville Whittemore Products Inc., 4012 Hillsboro Road. CY 7-7509

## TEXAS

Amarillo Ford Brick & Tile Co., 1707 West 8th St. DRake 3-4822  
Austin 31 Ranney Builders Specialty, 5215 East First St., P.O. Box 5062. GReenwood 6-6328  
P. O. Box Anco Sales Company, P.O.B. 7293. TE 5-6259  
Corpus Christi R. M. Sedwick Co., 230 Mercantile Comm. Bldg. Riverside 1-3519  
Dallas Neff-Buckner-Holt, Inc., 600 W. Paisano Dr., Box 7278. 3-1405  
El Paso Buie Bldg. Material Co., 7400 Washington Ave. UNderwood 4-7781  
Houston 19 Rufus A. Walker & Co., 401 Delgado St., Box 8357. PErshing 4-5139  
San Antonio

## UTAH

Salt Lake City Gerstner Specialties, Inc., 83 Navajo St., Box 336. EL 5-2993

## VERMONT

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## VIRGINIA

Bristol Engineering Sales Corp., 2005 W. State St. North 3784  
Lynchburg John H. Hampshire, Inc., 2101 Winston Ave. Diamond 4-5163  
Norfolk 7 John H. Hampshire, Inc., 714 Front Street. MADison 5-3697  
Richmond 22 John H. Hampshire, Inc., 2513 Chamberlayne Ave. ELgin 8-1561

## WASHINGTON

Seattle 15 Fryer Knowles, Inc., 6206 Roosevelt Way. LA 3-7700  
Spokane 31 Dix Steel Company, Broadway & Fiske. KEystone 4-2633

## WEST VIRGINIA

Charleston 22 John H. Hampshire, Inc., 428 Lore Street, St. Albans, W. Va. Parkway 7-9821  
Clarksburg Kyle & Co., Corner Court St. & Washington Ave. MAin 4-5481  
Huntington 17 James J. Weiler & Sons, Inc., 202-220 Elm St. Jackson 5-8123

## WISCONSIN

Eau Claire Lee Building Specialties Co., 218 Graham Ave. Temple 2-0932  
Milwaukee 2 J. Linc Kern Co., 759 N. Milwaukee St. BR 6-8480

## WYOMING

J. S. Kibben Co., Inc., 44 East Rapid St. Rapid City, South Dakota. Fillmore 2-0144

## FOREIGN REPRESENTATIVES

### CUBA

Havana Suinsa Suministros Industriales, Aparto de Correos P.O. Box 2736. Infanta 455

### HAWAII

Honolulu Theo. H. Davies & Co., Ltd., 841 Bishop St. 56991

### PUERTO RICO

San Juan Earl K. Burton, Inc., Fernandez Juncos Ave., 1400 Stop 20, P.O. Box 1367. 2-4672 or 3-3168

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Mills Metal Compartment Co.

Division of The Mills Company



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